Release notes for ENDF/B Development n-052_Te_129m1 evaluation

April 26, 2017

- `checkr` Warnings:

  1. A previous error halted parsing of the current section
     MAT=5253, MF= 1, MT=451 (1): Parsing stopped

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 1, MT=451
         SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER     229 TO     304
     ```

- `checkr` Errors:

  1. A variable is outside the allowed ENDF range
     MAT=5253, MF= 1, MT=451 (0): Variable range

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 1, MT=451
         MOD =     1 OUT OF RANGE     0 -     0          RECORD NUMBER     229
     ```

  2. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=5253, MF= 2, MT=151 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 2, MT=151
         SECTION  2/151 NOT IN DIRECTORY               RECORD NUMBER     306
     ```

  3. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=5253, MF= 3, MT= 1 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 3, MT=  1
         SECTION  3/  1 NOT IN DIRECTORY               RECORD NUMBER     675
     ```

  4. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=5253, MF= 3, MT= 2 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 3, MT=  2
         SECTION  3/  2 NOT IN DIRECTORY               RECORD NUMBER     719
     ```

  5. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=5253, MF= 3, MT= 4 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 3, MT=  4
         SECTION  3/  4 NOT IN DIRECTORY               RECORD NUMBER     751
     ```

  6. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=5253, MF= 3, MT= 16 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 16
         SECTION  3/ 16 NOT IN DIRECTORY               RECORD NUMBER     780
     ```

  7. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=5253, MF= 3, MT= 17 (0): Directory (b)

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```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 17
     SECTION  3/ 17 NOT IN DIRECTORY                 RECORD NUMBER     792
```

8. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=5253, MF= 3, MT= 22 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 22
     SECTION  3/ 22 NOT IN DIRECTORY                 RECORD NUMBER     799
```

9. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=5253, MF= 3, MT= 28 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 28
     SECTION  3/ 28 NOT IN DIRECTORY                 RECORD NUMBER     813
```

10. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 32 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 32
     SECTION  3/ 32 NOT IN DIRECTORY                 RECORD NUMBER     823
```

11. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 51 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 51
     SECTION  3/ 51 NOT IN DIRECTORY                 RECORD NUMBER     831
```

12. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 52 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 52
     SECTION  3/ 52 NOT IN DIRECTORY                 RECORD NUMBER     860
```

13. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 53 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 53
     SECTION  3/ 53 NOT IN DIRECTORY                 RECORD NUMBER     881
```

14. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 54 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 54
     SECTION  3/ 54 NOT IN DIRECTORY                 RECORD NUMBER     900
```

15. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 55 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 55
     SECTION  3/ 55 NOT IN DIRECTORY                 RECORD NUMBER     919
```

16. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 56 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 56
     SECTION  3/ 56 NOT IN DIRECTORY                 RECORD NUMBER     937
```

17. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 57 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 57
     SECTION  3/ 57 NOT IN DIRECTORY                 RECORD NUMBER     955
```

18. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 58 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 58
     SECTION  3/ 58 NOT IN DIRECTORY                 RECORD NUMBER     972
```

19. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 59 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 59
     SECTION  3/ 59 NOT IN DIRECTORY                 RECORD NUMBER     989
```

20. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 60 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 60
     SECTION  3/ 60 NOT IN DIRECTORY                 RECORD NUMBER    1005
```

21. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 61 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 61
     SECTION  3/ 61 NOT IN DIRECTORY                 RECORD NUMBER    1020
```

22. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 62 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 62
     SECTION  3/ 62 NOT IN DIRECTORY                 RECORD NUMBER    1035
```

23. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 63
         SECTION  3/ 63 NOT IN DIRECTORY                    RECORD NUMBER    1050
```

24. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 64
         SECTION  3/ 64 NOT IN DIRECTORY                    RECORD NUMBER    1064
```

25. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 65
         SECTION  3/ 65 NOT IN DIRECTORY                    RECORD NUMBER    1078
```

26. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 66
         SECTION  3/ 66 NOT IN DIRECTORY                    RECORD NUMBER    1092
```

27. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 67
         SECTION  3/ 67 NOT IN DIRECTORY                    RECORD NUMBER    1105
```

28. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 68 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 68
         SECTION  3/ 68 NOT IN DIRECTORY                    RECORD NUMBER    1118
```

29. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 69 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 69
         SECTION  3/ 69 NOT IN DIRECTORY                    RECORD NUMBER    1130
```

30. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 70 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 70
         SECTION  3/ 70 NOT IN DIRECTORY                    RECORD NUMBER    1142
```

31. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 71 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 71
           SECTION  3/ 71 NOT IN DIRECTORY                RECORD NUMBER    1153
```

32. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 72 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 72
           SECTION  3/ 72 NOT IN DIRECTORY                RECORD NUMBER    1164
```

33. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 73 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 73
           SECTION  3/ 73 NOT IN DIRECTORY                RECORD NUMBER    1175
```

34. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT= 91 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT= 91
           SECTION  3/ 91 NOT IN DIRECTORY                RECORD NUMBER    1185
```

35. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT=102 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT=102
           SECTION  3/102 NOT IN DIRECTORY                RECORD NUMBER    1195
```

36. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT=103 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT=103
           SECTION  3/103 NOT IN DIRECTORY                RECORD NUMBER    1222
```

37. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT=104 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT=104
           SECTION  3/104 NOT IN DIRECTORY                RECORD NUMBER    1237
```

38. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT=105 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 3, MT=105
           SECTION  3/105 NOT IN DIRECTORY                RECORD NUMBER    1248
```

39. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 3, MT=107 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 3, MT=107
   SECTION  3/107 NOT IN DIRECTORY                 RECORD NUMBER    1260
```

40. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT=  2
   SECTION  4/  2 NOT IN DIRECTORY                 RECORD NUMBER    1277
```

41. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 16
   SECTION  4/ 16 NOT IN DIRECTORY                 RECORD NUMBER    1495
```

42. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 17 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 17
   SECTION  4/ 17 NOT IN DIRECTORY                 RECORD NUMBER    1506
```

43. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 22 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 22
   SECTION  4/ 22 NOT IN DIRECTORY                 RECORD NUMBER    1517
```

44. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 28 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 28
   SECTION  4/ 28 NOT IN DIRECTORY                 RECORD NUMBER    1528
```

45. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 32 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 32
   SECTION  4/ 32 NOT IN DIRECTORY                 RECORD NUMBER    1539
```

46. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 51 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 51
   SECTION  4/ 51 NOT IN DIRECTORY                 RECORD NUMBER    1550
```

47. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 52 (0): Directory (b)

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```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 52
        SECTION  4/ 52 NOT IN DIRECTORY                    RECORD NUMBER    1575
```

48. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=53$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 53
        SECTION  4/ 53 NOT IN DIRECTORY                    RECORD NUMBER    1600
```

49. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=54$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 54
        SECTION  4/ 54 NOT IN DIRECTORY                    RECORD NUMBER    1625
```

50. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=55$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 55
        SECTION  4/ 55 NOT IN DIRECTORY                    RECORD NUMBER    1650
```

51. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=56$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 56
        SECTION  4/ 56 NOT IN DIRECTORY                    RECORD NUMBER    1675
```

52. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=57$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 57
        SECTION  4/ 57 NOT IN DIRECTORY                    RECORD NUMBER    1703
```

53. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=58$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 58
        SECTION  4/ 58 NOT IN DIRECTORY                    RECORD NUMBER    1728
```

54. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=59$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 59
        SECTION  4/ 59 NOT IN DIRECTORY                    RECORD NUMBER    1755
```

55. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=5253$, $MF=4$, $MT=60$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 60
           SECTION  4/ 60 NOT IN DIRECTORY                  RECORD NUMBER    1780
```

56. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 61 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 61
           SECTION  4/ 61 NOT IN DIRECTORY                  RECORD NUMBER    1803
```

57. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 62 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 62
           SECTION  4/ 62 NOT IN DIRECTORY                  RECORD NUMBER    1826
```

58. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 63 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 63
           SECTION  4/ 63 NOT IN DIRECTORY                  RECORD NUMBER    1850
```

59. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 64 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 64
           SECTION  4/ 64 NOT IN DIRECTORY                  RECORD NUMBER    1873
```

60. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 65 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 65
           SECTION  4/ 65 NOT IN DIRECTORY                  RECORD NUMBER    1896
```

61. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 66 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 66
           SECTION  4/ 66 NOT IN DIRECTORY                  RECORD NUMBER    1919
```

62. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 67 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 67
           SECTION  4/ 67 NOT IN DIRECTORY                  RECORD NUMBER    1942
```

63. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 68 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 68
          SECTION  4/ 68 NOT IN DIRECTORY                RECORD NUMBER    1966
```

64. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 69 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 69
          SECTION  4/ 69 NOT IN DIRECTORY                RECORD NUMBER    1990
```

65. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 70 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 70
          SECTION  4/ 70 NOT IN DIRECTORY                RECORD NUMBER    2013
```

66. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 71 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 71
          SECTION  4/ 71 NOT IN DIRECTORY                RECORD NUMBER    2036
```

67. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 72 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 72
          SECTION  4/ 72 NOT IN DIRECTORY                RECORD NUMBER    2059
```

68. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 73 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 73
          SECTION  4/ 73 NOT IN DIRECTORY                RECORD NUMBER    2082
```

69. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 4, MT= 91 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 4, MT= 91
          SECTION  4/ 91 NOT IN DIRECTORY                RECORD NUMBER    2105
```

70. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 5, MT= 16 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=5253, MF= 5, MT= 16
          SECTION  5/ 16 NOT IN DIRECTORY                RECORD NUMBER    2130
```

71. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=5253, MF= 5, MT= 17 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=5253, MF= 5, MT= 17
               SECTION  5/ 17 NOT IN DIRECTORY                RECORD NUMBER    2206
```

72. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5253, MF= 5, MT= 22 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=5253, MF= 5, MT= 22
               SECTION  5/ 22 NOT IN DIRECTORY                RECORD NUMBER    2238
```

73. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5253, MF= 5, MT= 28 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=5253, MF= 5, MT= 28
               SECTION  5/ 28 NOT IN DIRECTORY                RECORD NUMBER    2425
```

74. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5253, MF= 5, MT= 32 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=5253, MF= 5, MT= 32
               SECTION  5/ 32 NOT IN DIRECTORY                RECORD NUMBER    2516
```

75. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5253, MF= 5, MT= 91 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=5253, MF= 5, MT= 91
               SECTION  5/ 91 NOT IN DIRECTORY                RECORD NUMBER    2560
```

- `recent` Warnings:

  1. Fission widths given for non-fissile nucleus, but are zero
  0: Fission?

```
     Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
     ===============================================================================
     Retrieval Criteria-----------        MAT
     File 2 Mimimum Cross Section- 1.0000E-10 (Standard Option)
     Reactions with No Background-    Output (Resonance Contribution)
     ... [627 more lines]
```

- `fudge-4.0` Warnings:

  1. The URR for this spin group needs higher energy resolution for correct representation of the average cross section
  resonances / unresolved (Error # 0): URRinsufficientEnergyGrid

```
     WARNING: More points needed in L=0 J=5.0 unresolved widths between 10. eV and 1.e2 eV
     WARNING: More points needed in L=0 J=6.0 unresolved widths between 10. eV and 1.e2 eV
     WARNING: More points needed in L=1 J=4.0 unresolved widths between 10. eV and 1.e2 eV
     WARNING: More points needed in L=1 J=5.0 unresolved widths between 10. eV and 1.e2 eV
             ... plus 8 more instances of this message
```

  2. Cross section does not match sum of linked reaction cross sections
  crossSectionSum label 0: total (Error # 0): CS Sum.

```
WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.65%
```

- `fudge-4.0` Errors:

    1. Calculated and tabulated Q values disagree.
    reaction label 25: n[multiplicity:'2'] + Te128 (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -5357711.726272583 eV vs -6.0908e6 eV!
    ```

    2. Calculated and tabulated Q values disagree.
    reaction label 26: n[multiplicity:'3'] + Te127 (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -14140019.93193054 eV vs -1.48742e7 eV!
    ```

    3. Calculated and tabulated Q values disagree.
    reaction label 27: n + H1 + Sb128 (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -8958924.84046936 eV vs -9570630. eV!
    ```

    4. Calculated and tabulated Q values disagree.
    reaction label 28: n + H2 + Sb127 (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -12714106.88783264 eV vs -1.33626e7 eV!
    ```

    5. Calculated and tabulated Q values disagree.
    reaction label 29: Te130 + gamma (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 9144242.613433838 eV vs 8517890. eV!
    ```

    6. Calculated and tabulated Q values disagree.
    reaction label 30: n + He4 + Sn125 (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -2804866.043487549 eV vs -3526890. eV!
    ```

    7. Calculated and tabulated Q values disagree.
    reaction label 31: H1 + Sb129_s (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -868456.8249053955 eV vs -1594540. eV!
    ```

    8. Calculated and tabulated Q values disagree.
    reaction label 32: H2 + Sb128_s (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -6734358.739532471 eV vs -7260510. eV!
    ```

    9. Calculated and tabulated Q values disagree.
    reaction label 33: H3 + Sb127_s (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -6456873.947219849 eV vs -7177460. eV!
    ```

    10. Calculated and tabulated Q values disagree.
    reaction label 34: He4 + Sn126_s (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 5388332.72454834 eV vs 4671190. eV!
    ```

- `njoy2012` Warnings:

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1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 16
                         only mf4/mf5 provided
```

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 17
                         only mf4/mf5 provided
```

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 22
                         only mf4/mf5 provided
```

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 28
                         only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 32
                         only mf4/mf5 provided
```

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 91
                         only mf4/mf5 provided
```